

# Comparisons of Job Characteristics

**Focus Occupation:** Maintenance and Repair Workers, General (49-9042)

**Associated Occupation:** Elevator Installers and Repairers (47-4021)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

**Focus Occupation:** Maintenance and Repair Workers, General (49-9042)

**Associated Occupation:** Elevator Installers and Repairers (47-4021)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	21.3	19.3	<	Expanded education and/or training may be required
Building and Construction	4.0	17.7	14.3	<<	Extensive education and/or training may be required
Customer and Personal Service	11.3	17.4	6.6	<<	Extensive education and/or training may be required
Design	5.2	13.5	11.7	<	Expanded education and/or training may be required
Public Safety and Security	6.9	12.9	12.0	0	Current knowledge level may be sufficient
Physics	4.3	11.6	8.8	<<	Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 89

**Focus Occupation:** Maintenance and Repair Workers, General (49-9042)

**Associated Occupation:** Elevator Installers and Repairers (47-4021)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Repairing	3.4	13.0	12.3	0	Current skill level may be sufficient
Troubleshooting	4.5	12.9	10.0	<<	Extensive development of skills in this area may be required
Equipment Maintenance	3.5	12.2	12.7	0	Current skill level may be sufficient
Operation Monitoring	6.6	11.4	8.4	<<	Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.2	9.8	<	A higher skill level may be required

Equipment Selection	3.3	10.8	9.5	<	A higher skill level may be required
Operation and Control	5.4	10.0	7.6	<<	Extensive development of skills in this area may be required
Installation	1.7	9.2	8.3	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 83

**Focus Occupation: Maintenance and Repair Workers, General (49-9042)**

**Associated Occupation: Elevator Installers and Repairers (47-4021)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.0	10.1	0	Current ability level may be sufficient
Finger Dexterity	7.6	10.3	9.4	0	Current ability level may be sufficient
Manual Dexterity	6.5	10.3	11.4	>	Current ability level is likely sufficient
Visualization	7.5	10.2	11.0	0	Current ability level may be sufficient
Extent Flexibility	4.8	10.1	9.2	0	Current ability level may be sufficient
Visual Color Discrimination	6.4	9.1	8.5	0	Current ability level may be sufficient
Reaction Time	4.8	8.6	6.2	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	8.5	5.9	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	8.1	5.6	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

**Focus Occupation: Maintenance and Repair Workers, General (49-9042)**

**Associated Occupation: Elevator Installers and Repairers (47-4021)**

Work Activities	Exclusivity of Activity
Diagnose mechanical problems in machinery or equipment	65
Fabricate, assemble, or disassemble manufactured products by hand	11
Inspect machinery or equipment to determine adjustments or repairs needed	42
Install electrical fixtures or components	71
Install industrial machinery or related heavy equipment	89
Install or replace meters, regulators, or related measuring or control devices	66
Install/connect electrical equipment to power circuit	57
Lubricate machinery, equipment, or parts	59
Maintain or repair industrial or related equipment/machinery	39
Move or fit heavy objects	8

Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read schematics	34
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Repair or adjust measuring or control devices	71
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Replace electronic components	63
Test electrical/electronic wiring, equipment, systems or fixtures	54
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use precision measuring devices in mechanical repair work	61
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 86

**Focus Occupation: Maintenance and Repair Workers, General (49-9042)**  
**Associated Occupation: Elevator Installers and Repairers (47-4021)**

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Dispensing tools	6
Electrical measuring and testing equipment	7
Fall protection	16
Forming tools	2
Holding and clamping tools	3
Indicating and recording instruments	2
Industrial trucks	10
Industry specific software	1
Information exchange software	1
Ladders and scaffolding	6
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machinery for working wood and stone and ceramic and the like	12
Measuring and layout tools	3
Mechanical instruments	14

Personal communication devices	2
Power tools	2
Prying and bending tools	10
Pumps	9
Rough and finishing tools	5
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.